

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for adjusting a first hearing device based on adjustments of a second hearing device, the method comprising the steps of:

converting an acoustic test signal into an electric test signal by a microphone of the second hearing device;

converting an acoustic signal generated by a receiver of the second hearing device into an electrical signal;

analyzing the electrical signal in ~~an analyzing unit~~
the first hearing device; and

adjusting the first hearing device based on results obtained in ~~the analysis~~ the analyzing performed in the ~~analyzing unit~~ the first hearing device.

2. (original) The method of claim 1, wherein the acoustic test signal is generated in a control unit provided outside the hearing devices.

3. (original) The method of claim 1, wherein the acoustic test signal is generated in the first hearing device.

4. (original) The method of claim 1, wherein the step

of analyzing the electrical signal takes place in a control unit provided outside the hearing devices.

5. (original) The method of claim 2, wherein the step of analyzing the electrical signal takes place in the control unit.

6. (original) The method of claim 3, wherein the step of analyzing the electrical signal takes place in a control unit provided outside the hearing devices.

7. (original) The method of claim 1, wherein the step of analyzing the electrical signal takes place in a control unit provided inside the first hearing device.

8. (original) The method of claim 3, wherein the step of analyzing the electrical signal takes place in a control unit provided inside the first hearing device.

9. (original) The method of one of claims 1 to 8, further comprising the step of simultaneously feeding the acoustic test signal to a microphone of the first hearing device for its calibration.

10. (original) The method of one of the claims 1 to 8, wherein a stationary or a speech-modulated noise is used as acoustic test signal.

11. (original) The method of one of the claims 1, wherein an unmodulated noise with a level step of preferably 25 dB is used as acoustic test signal.

12. (original) The method of one of the claims 1 to 8,

further comprising the step of adjusting all available hearing programs of the first hearing device.

13. (original) The method of one of the claims 1 to 8, further comprising the step of setting a sound level of 40 to 90 dB SPL for the acoustic test signal.

14. (previously presented) An apparatus comprising:

a first hearing device;

a second hearing device;

a loudspeaker generating an acoustic test signal;

a couple element including a measurement microphone;
and

a control unit operationally connected to the
loudspeaker; wherein

the acoustic test signal is fed to a microphone of the
second hearing device in which another acoustic
signal is generated that is recorded by the
measurement microphone of the couple element, the
measurement microphone being operatively
connected to the first hearing device which is
operatively connected to the control unit.

15. (original) The apparatus of claim 14, wherein a further couple element is provided to couple a receiver of the first hearing device with a microphone of the second hearing device.

16. (original) The apparatus of claim 14 or 15, wherein the acoustic test signal is a stationary or a

speech-modulated noise.

17. (original) The apparatus of claim 14 or 15, wherein the acoustic test signal is an un-modulated noise with a sound-level step of preferably 15 dB.

18. (original) The apparatus of claim 14 or 15, wherein the acoustic test signal has a sound-level of at least 90 dB.

19. (original) The apparatus of claim 14, wherein the adjustment in the first hearing device is applied to all available hearing programs.

20. (previously presented) An apparatus comprising:

a first hearing device;

a second hearing device;

a couple element including a measurement microphone;

a further couple element; and

a control unit; wherein

a receiver of the first hearing device is coupled to the microphone of the second hearing device by the further couple element and the receiver of the second hearing device is coupled to the measurement microphone of the couple element, the measurement microphone being operatively connected to the second hearing device, and the control unit being operatively connected to the first hearing device.

21. (original) The apparatus of claim 20, wherein a loudspeaker is operatively connected to the control unit.

22. (original) The apparatus of claim 20 or 21, wherein the acoustic test signal is a stationary or a speech-modulated noise.

23. (original) The apparatus of claim 20 or 21, wherein the acoustic test signal is an un-modulated noise with a sound-level step of preferably 15 dB.

24. (original) The apparatus of claim 20 or 21, wherein the acoustic test signal has a sound-level of at least 90 dB.

25. (original) The apparatus of claim 20, wherein the adjustment in the first hearing device is applied to all available hearing programs.

26. (previously presented) The apparatus of claim 20, wherein said control unit is adapted to utilize said couplings such that settings of said first hearing device are adjusted to closely match settings already present in said second hearing device.

27. (previously presented) The apparatus of claim 14, wherein said control unit is adapted to utilize results from said another acoustic test signal for adjusting settings of said first hearing device to closely match settings already present in said second hearing device.

28. (previously presented) The method of claim 1,

wherein said adjusting step is for the purpose of configuring settings of said first hearing device to closely match settings already present in said second hearing device.

29. (currently amended) A method for adjusting a first hearing device based on adjustments of a second hearing device, the method comprising the steps of:

converting a first acoustic test signal into an electric test signal by a microphone of the second hearing device;

converting a second acoustic signal generated by a receiver of the second hearing device into an electrical signal, wherein said second acoustic signal is based on settings previously applied to said second hearing device;

analyzing the electrical signal in an analyzing unit comprised in said first hearing device to determine appropriate settings for said first hearing device for closely matching said previously applied settings of said second hearing device; and

adjusting ~~the~~ said first hearing device based on results obtained in the analysis performed in the analyzing unit such that settings of said first hearing device are adjusted to closely match the previously applied settings of said second hearing device.

30. (new) The method of claim 29, wherein said analyzing determines a transfer function of said second

hearing device based on said previously applied settings, and wherein said settings of said first hearing device are adjusted based on said transfer function.

31. (new) An system comprising:

a control unit;

a speaker for generating an acoustic test signal based on an input from said control unit;

a second hearing device including a second microphone for receiving said acoustic test signal and also including a speaker for generating an acoustic output signal from said acoustic test signal, said acoustic output signal based on a second transfer function of said second hearing device;

a coupler including a third microphone for receiving said acoustic output signal from said second hearing device, said coupler being acoustically connected to said second hearing device by a known transfer function;

a first hearing device including a first microphone and an audio input electrically connected to said third microphone; and

an analyzing unit for analyzing wherein

said control unit is external to said first and said second hearing device, and wherein

said control unit is connected to said first hearing device via a control connection for controlling the adjustment of a first transfer function of

said first hearing device based on said acoustic output signal of said second hearing device.

32. (new) The system of claim 1, wherein said speaker for generating said acoustic test signal is included in said first hearing device and wherein said system further comprises:

a test speaker separate from said first hearing device and said second hearing device and is connected to said control unit for generating an additional acoustic test signal for input into said first microphone; and

another coupler for acoustically coupling said speaker for generating said acoustic test signal of said first hearing device with said second microphone of said second hearing device, wherein

said acoustic test signal is generated by said first hearing device based on said additional acoustic test signal.

33. (new) The system of claim 1, wherein said speaker for generating said acoustic test signal is electrically connected to said control unit and is separate from said first hearing device and said second hearing device, and wherein said first microphone also receives said acoustic test signal.